

**Amendments to the Claims:**

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

1. (currently amended) A polyolefin-base liquid transport film having on the surface thereof a plurality of fine grooves, wherein a hydrophilic monomer is grafted to the surface of the fine grooves by radiation graft polymerization to form a graft layer and the hydrophilic monomer is an N,N-dialkylaminoalkyl (meth)acrylamide and/or a salt thereof, wherein the grafting of the hydrophilic monomer to the surface is patternwise controlled in order to create circuitous liquid transport paths, corresponding with the patternwise control, on the liquid transport film.
2. (original) The liquid transport film according to claim 1, wherein the hydrophilic monomer is N,N-dimethylaminopropylacrylamide.
3. (original) The liquid transport film according to claim 1, wherein the thickness of the graft layer is from 0.01 to 5  $\mu\text{m}$ .
4. (original) The liquid transport film according to claim 1, wherein the polyolefin is polyethylene.
5. (original) The liquid transport film according to claim 1, wherein the depth of the groove is from 5 to 3,000  $\mu\text{m}$ .
6. (currently amended) The liquid transport film according to claim 1, wherein the grooves groove have a first groove and a second groove included in the first groove, the depth of the first groove is from 50 to 3,000  $\mu\text{m}$ , and the depth of the second groove is from 5 to 50% of the depth of the first second groove.